

Abstract

The invention relates to a composition, in particular to a pulverulent masterbatch, which comprises a nanoclay composed of a swellable inorganic layered material which has been modified by a pre-exfoliating additive or by an additive mixture.

The additive or the additive mixture has been selected from the group of the ethylene-propylene copolymers (EPM), the ethylene-propylene terpolymers (EPDM), the thermoplastic elastomers, the coupling agents, the crosslinking agents, or their mixtures.

The pulverulent masterbatch or the composition can give a homogeneous mixture with a polymer powder and can be used in that form. It is also possible to prepare a polymer masterbatch via compounding of the pulverulent masterbatch with a carrier polymer. The powder masterbatch or the polymer masterbatch may be used as a filler or in filler systems in a very wide variety of polymer compositions.